BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

RA 1ST AND FINAL BILL

Name of work: Package-2, Includes 4 Works of Rs. 110.00 Lakhs 1) Asphalting to Roads at Balaji Layout and Surrounding areas in Ward No. 11 (Kuvempunagara). 2). Asphalting to Roads at Singapura and Surrounding areas in Ward No. 11 (Kuvempunagara). 3). Asphalting to Roads at Bharathnagara and Surrounding areas in Ward No. 11 (Kuvempunagara). 4). Asphalting to Roads at Kuvempunagara and Surrounding areas in Ward No. 11 (Kuvempunagara).

Estimated Cost : Rs. 110.00 Lakhs

Job Code: 011-20-000105, 011-20-000106, 011-20-000107, 011-20-000108.

Head of Account : P-3602 Special Developmen Works

Name of Agency: Sri. Chidananda Murthy. R, No. 16, 2nd Cross, Vinayaka Layout Horamavu, Bangalore - 560043.

Work order No: EE/BTP/BBMP/E-PMT/07(45021)/WO/156/2020-21 D: 08-11-2020.

Measurements Recarded on : 04-02-2021

Sl No	Description	No.	L	B1	B2	Av.B	D	Qty	Rate	Amount
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.								Cum	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 & 8 is =							**804.94**	250.46	**201605.00**
2	Removing and refixing stone slabs of drains and pointing in CM (1:3)								Sqm	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 9 & 12 is =							**1856.93**	**114.31**	**212266.00**
3	Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete								Sqm	
	From MS Palya Connecting Road # 50 to 2nd Main	1	5.00				1.35	6.75		
		1	8.00				1.35	10.80		
		1	3.00				1.35	4.05		
		1	3.00				1.35	4.05		
		1	5.00				1.35	6.75		
		1	6.00				1.35	8.10		
		1	2.00				1.35	2.70		
	2nd Main 1st Cross Balaji Layout S/S									
	From MS Palya Connecting Road # 50 to 2nd Main	1	6.00				1.35	8.10		
		1	6.00				1.35	8.10		
		1	8.00				1.35	10.80		
		1	2.00				1.35	2.70		
		1	8.00				1.35	10.80		
		1	6.00				1.35	8.10		
	2nd Main Road Balaji Layout W/S									
	From 1st Cross to 2nd Cross	1	12.00				1.35	16.20		
		1	8.00				1.35	10.80		
	5th Cross to MS Palya Govt Hospital Road									
		1	13.00				1.35	17.55		
		1	8.00				1.35	10.80		

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore

14-7-15

Sl No	Description	No.	L	B1	B2	Av.B	D	Qty	Rate	Amount
	2nd Main Road 2nd Cross Balaji Layout S/S									
	From 2nd Main Road	1	5.00				1.35	6.75		
	2nd Main Road 3rd Cross Balaji Layout S/S									
	From 2nd Main Road	1	6.00				1.35	8.10		
	2nd Main Road 5th Cross Balaji Layout S/S									
	From 2nd Main Road	1	8.00				1.35	10.80		
	2nd Main Road Balaji Layout E/S									
	From 1st Cross to MS Palya Govt Hospital Road	1	7.00				1.35	9.45		
		1	10.00				1.35	13.50		
		1	5.50				1.35	7.43		
		1	3.70				1.35	5.00		
	Singapura Layout 1st Main Road N/S									
	From Singaura 1st Cross to Dead End	1	6.20				1.35	8.37		
		1	8.90				1.35	12.02		
		1	5.00				1.35	6.75		
		1	8.60				1.35	11.61		
		1	5.00				1.35	6.75		
		1	3.00				1.35	4.05		
		1	3.40				1.35	4.59		
		1	9.10				1.35	12.29		
		1	9.40				1.35	12.69		
		1	3.50				1.35	4.73		
		1	3.00				1.35	4.05		
		1	1.80				1.35	2.43		
		1	9.00				1.35	12.15		
		1	2.00				1.35	2.70		
	Singapura Layout 1st Main Road S/S									
	From Dead End to Singaura 1st Cross	1	6.00				1.35	8.10		
		1	8.00				1.35	10.80		
		1	6.00				1.35	8.10		
		1	11.20				1.35	15.12		
		1	5.00				1.35	6.75		
		1	3.00				1.35	4.05		
		1	7.20				1.35	9.72		
		1	2.00				1.35	2.70		
		1	3.50				1.35	4.73		
		1	8.00				1.35	10.80		
		1	9.70				1.35	13.10		
		1	5.80				1.35	7.83		
		1	9.00				1.35	12.15		
	From Dead end to Singapura Main Road	1	6.10				1.35	8.24		
		1	3.00				1.35	4.05		
		1	6.00				1.35	8.10		
		1	3.80				1.35	5.13		
		1	1.20				1.35	1.62		
		1	2.00				1.35	2.70		
		1	2.00				1.35	2.70		
		1	8.00				1.35	10.80		
		1	6.00				1.35	8.10		
		1	6.20				1.35	8.37		
		1	6.00				1.35	8.10		
		1	8.00				1.35	10.80		
		1	8.60				1.35	11.61		
		1	4.00				1.35	5.40		
		1	5.00				1.35	6.75		

147.15

529.74

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Sl No	Description	No.	L	B1	B2	Av.B	D	Qty	Rate	Amount
		1	1.00				1.35	1.35	529.74	
	Cross Road E/S									
		1	6.00				1.35	8.10		
		1	3.00				1.35	4.05		
	Singapura Layout 4th Main Road N/S									
	Singapura Main Road to Dead End	1	15.00				1.35	20.25		
		1	10.00				1.35	13.50		
		1	8.00				1.35	10.80		
		1	12.00				1.35	16.20		
		1	15.00				1.35	20.25		
		1	12.00				1.35	16.20		
		1	4.00				1.35	5.40		
	Singapura Layout 4th Main Road S/S									
	Dead End to Singapura Main Road	1	10.00				1.35	13.50		
		1	5.00				1.35	6.75		
		1	3.30				1.35	4.46		
		1	5.40				1.35	7.29		
		1	5.50				1.35	7.43		
		1	2.00				1.35	2.70		
		1	5.00				1.35	6.75		
		1	3.00				1.35	4.06		
	6th Main Road Singapura Layout E/S									
	From Singapura Main Road to 1st Cross Road	1	6.00				1.35	8.10		
		1	3.00				1.35	4.05		
		1	6.00				1.35	8.10		
		1	4.20				1.35	5.67		
	From 1st Cross Road to 2nd Cross	1	15.00				1.35	20.25		
		1	5.20				1.35	7.02		
	From 2nd Cross to 3rd Cross	1	6.00				1.35	8.10		
		1	5.00				1.35	6.75		
	6th Main Road Singapura Layout W/S									
	3rd Cross to Singapura Main Road	1	2.00				1.35	2.70		
		1	8.60				1.35	11.61		
		1	3.00				1.35	4.05		
		1	2.00				1.35	2.70		
		1	2.00				1.35	2.70		
		1	2.60				1.35	3.51		
	2nd Cross Singapura Layout N/S									
		1	4.20				1.35	5.67		
								799.74		
								795.83	762.03	**606446.00**

CAFE

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description	No.	L	B1	B2	Av.B	D	Qty	Rate	Amount
	Measurements Recarded on :	04-02-2021								
4	Providing and laying **Plain cement concrete of mix 1:3:6 with with OPC cement @ 220kgs, with crushed 40mm and down size** graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications								Cum	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 13 & 17 is =							**117.90**	5568.29	**656501.00**
5	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.								Sqm	
	Flagging Course									
	From MS Palya Connecting Road # 50 to 2nd Main	2	15.00				0.40	12.00		
		2	13.00				0.40	10.40		
		2	7.00				0.40	5.60		
		2	8.10				0.40	6.48		
		2	15.00				0.40	12.00		
		2	5.60				0.40	4.48		
		2	10.00				0.40	8.00		
	2nd Main 1st Cross Balaji Layout S/S									
	From MS Palya Connecting Road # 50 to 2nd Main	2	9.00				0.40	7.20		
		2	4.50				0.40	3.60		
		2	15.00				0.40	12.00		
		2	12.40				0.40	9.92		
		2	15.00				0.40	12.00		
		2	12.50				0.40	10.00		
		2	15.00				0.40	12.00		
		2	6.00				0.40	4.80		
	2nd Main Road Balaji Layout W/S									
	From 1st Cross to 2nd Cross	2	15.00				0.40	12.00		
		2	10.50				0.40	8.40		
	5th Cross to MS Palya Govt Hospital Road									
		2	15.00				0.40	12.00		
		2	13.20				0.40	10.56		
	2nd Main Road 2nd Cross Balaji Layout S/S									
	From 2nd Main Road	2	10.00				0.40	8.00		
	2nd Main Road 3rd Cross Balaji Layout S/S									
	From 2nd Main Road	2	10.00				0.40	8.00		
	2nd Main Road 5th Cross Balaji Layout S/S									
	From 2nd Main Road	2	12.00				0.40	9.60		
	2nd Main Road Balaji Layout E/S									
	From 1st Cross to MS Palya Govt Hospital Road	2	9.80				0.40	7.84		
		2	15.00				0.40	12.00		
		2	9.30				0.40	7.44		
		2	3.70				0.40	2.96		
	Singapura Layout 1st Main Road N/S									
	From Singaura 1st Cross to Dead End	2	6.20				0.40	4.96		
		2	8.90				0.40	7.12		
		2	10.00				0.40	8.00		
		2	8.60				0.40	6.88		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	3.40				0.40	2.72		
		2	9.10				0.40	7.28		
		2	9.40				0.40	7.52		

297.36

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Sl No	Description	No.	L	B1	B2	Av.B	D	Qty	Rate	Amount
		2	9.80				0.40	7.84	297.76	
		2	3.00				0.40	2.40		
		2	1.80				0.40	1.44		
		2	9.00				0.40	7.20		
		2	8.20				0.40	6.56		
	Singapura Layout 1st Main Road S/S									
	From Dead End to Singaura 1st Cross	2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	6.00				0.40	4.80		
		2	11.20				0.40	8.96		
		2	12.50				0.40	10.00		
		2	15.00				0.40	12.00		
		2	7.20				0.40	5.76		
		2	12.90				0.40	10.32		
		2	12.40				0.40	9.92		
		2	15.00				0.40	12.00		
		2	9.70				0.40	7.76		
		2	5.80				0.40	4.64		
		2	9.00				0.40	7.20		
	Singapura Layout 2nd Main Road N/S									
	Singapura Main Road to Dead End	2	6.30				0.40	5.04		
		2	6.40				0.40	5.12		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	4.10				0.40	3.28		
		2	15.00				0.40	12.00		
		2	11.00				0.40	8.80		
		2	15.00				0.40	12.00		
		2	11.00				0.40	8.80		
		2	15.00				0.40	12.00		
		2	4.40				0.40	3.52		
		2	15.00				0.40	12.00		
		2	9.00				0.40	7.20		
		2	15.00				0.40	12.00		
		2	5.70				0.40	4.56		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	4.00				0.40	3.20		
	Singapura Layout 2nd Main Road S/S									
	From Dead end to Singapura Main Road	2	6.10				0.40	4.88		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	3.80				0.40	3.04		
		2	1.20				0.40	0.96		
		2	13.00				0.40	10.40		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	6.20				0.40	4.96		
		2	15.00				0.40	12.00		
		2	8.00				0.40	6.40		
		2	8.60				0.40	6.88		
		2	4.00				0.40	3.20		
		2	10.00				0.40	8.00	730.80	

C+P
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Sl No	Description	No.	L	B1	B2	Av.B	D	Qty	Rate	Amount
		2	1.50				0.40	1.20		
	Cross Road E/S									
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
	Singapura Layout 4th Main Road N/S									
	Singapura Main Road to Dead End	2	15.00				0.40	12.00		
		2	10.00				0.40	8.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	4.00				0.40	3.20		
		2	15.00				0.40	12.00		
		2	4.00				0.40	3.20		
	Singapura Layout 4th Main Road S/S									
	Dead End to Singapura Main Road	2	10.00				0.40	8.00		
		2	15.00				0.40	12.00		
		2	3.30				0.40	2.64		
		2	5.40				0.40	4.32		
		2	5.50				0.40	4.40		
		2	15.00				0.40	12.00		
		2	11.00				0.40	8.80		
		2	12.20				0.40	9.76		
	6th Main Road Singapura Layout E/S									
	From Singapura Main Road to 1st Cross Road	2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	0.60				0.40	0.48		
		2	4.20				0.40	3.36		
	From 1st Cross Road to 2nd Cross	2	15.00				0.40	12.00		
		2	5.20				0.40	4.16		
	From 2nd Cross to 3rd Cross	2	15.00				0.40	12.00		
		2	10.40				0.40	8.32		
	6th Main Road Singapura Layout W/S									
	3rd Cross to Singapura Main Road	2	12.40				0.40	9.92		
		2	8.60				0.40	6.88		
		2	3.00				0.40	2.40		
		2	11.10				0.40	8.88		
		2	15.00				0.40	12.00		
		2	2.60				0.40	2.08		
	2nd Cross Singapura Layout N/S									
		2	10.10				0.40	8.08		
		2	9.10				0.40	7.28		
		2	8.70				0.40	6.96		
	2nd Cross Singapura Layout S/S									
		2	15.00				0.40	12.00		
		2	3.00				0.40	2.40		
	3rd Cross Singapura Layout N/S									
		2	15.00				0.40	12.00		
		2	5.70				0.40	4.56		
		2	2.30				0.40	1.84		
		2	15.00				0.40	12.00		
		2	2.50				0.40	2.00		
		2	9.40				0.40	7.52		
	3rd Cross Singapura Layout S/S									
		2	5.00				0.40	4.00		
		2	8.00				0.40	6.40		
		2	10.20				0.40	8.16		

Sl No	Description	No.	L	B1	B2	Av.B	D	Qty	Rate	Amount
	Main Road Singapura Layout E/S									
	From Main Road to 3rd Cross	2	15.00				0.40	12.00	1082.00	
		2	4.20				0.40	3.36		
		2	8.00				0.40	6.40		
		2	4.30				0.40	3.44		
		2	11.10				0.40	8.88		
		2	15.00				0.40	12.00		
		2	1.80				0.40	1.44		
	From 3rd Cross to Main Road W/S									
		2	15.00				0.40	12.00		
		2	1.60				0.40	1.28		
		2	1.20				0.40	0.96		
		2	7.00				0.40	5.60		
		2	15.00				0.40	12.00		
		2	2.40				0.40	1.92		
	1st Cross Road N/S									
		2	10.00				0.40	8.00		
	2nd Cross Road N/S									
		2	15.00				0.40	12.00		
		2	3.30				0.40	2.64		
		2	11.50				0.40	9.20		
	2nd Cross Road S/S									
		2	12.10				0.40	9.68		
		2	13.10				0.40	10.48		
	3rd Cross Road N/S									
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	6.40				0.40	5.12		
	3rd Cross Road S/S									
		2	15.00				0.40	12.00		
	Manjunath Layout N/S									
	From Singapura Main Road	2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	8.10				0.40	6.48		
		2	13.40				0.40	10.72		
		2	13.00				0.40	10.40		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	6.50				0.40	5.20		
		2	14.20				0.40	11.36		
	Manjunath Layout S/S									
	From 5th Cross	2	15.00				0.40	12.00		
		2	12.40				0.40	9.92		
		2	15.00				0.40	12.00		
		2	10.20				0.40	8.16		
		2	3.70				0.40	2.96		
		2	15.00				0.40	12.00		
		2	2.40				0.40	1.92		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	12.10				0.40	9.68		
	Kuvempunagara 4th Cross N/S									
	From Singapura Main Road	2	10.00				0.40	8.00		
		2	6.00				0.40	4.80		

14660.00

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore.

Sl No	Description	No.	L	B1	B2	Av.B	D	Qty	Rate	Amount
		2	7.00				0.40	5.60		
		2	15.00				0.40	12.00		
		2	15.00				0.40	12.00		
		2	6.10				0.40	4.88		
		2	4.40				0.40	3.52		
		2	2.50				0.40	2.00		
		2	1.20				0.40	0.96		
		2	8.00				0.40	6.40		
		2	15.00				0.40	12.00		
		2	3.40				0.40	2.72		
		2	15.00				0.40	12.00		
		2	8.00				0.40	6.40		
		2	3.00				0.40	2.40		
	Kuvempunagara 4th Cross S/S	2	8.40				0.40	6.72		
	Manjunatha Layout 5th Cross W/S	2	15.00				0.40	12.00		
		2	12.00				0.40	9.60		
								1577.20		
								1572.00	1005.88	**1581243.00**

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidayranyapura Sub Division

Sl No	Description	No.	L	B1	B2	Av.B	D	Qty	Unit	Rate	Amount
	Measurements Recarded on : 04-02-2021										
6	Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240kgs, with 20mm and down size** graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								Cum		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 18 & 26 is =							**135.08**	5751.18		**776869.00**
7	Providing precast slab of 100mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - (Data rate Approved).								Sqm		
	Covering Slab										
	2nd Main 1st Cross Balaji Layout N/S										
	From MS Palya Connecting Road # 50 to 2nd Main	1	15.00			0.90		13.50			
		1	13.00			0.90		11.70			
		1	7.00			0.90		6.30			
		1	8.10			0.90		7.29			
		1	15.00			0.90		13.50			
		1	5.60			0.90		5.04			
		1	10.00			0.90		9.00			
	2nd Main 1st Cross Balaji Layout S/S										
	From MS Palya Connecting Road # 50 to 2nd Main	1	9.00			0.90		8.10			
		1	4.50			0.90		4.05			
		1	15.00			0.90		13.50			
		1	12.40			0.90		11.16			
		1	15.00			0.90		13.50			
		1	12.50			0.90		11.25			
		1	15.00			0.90		13.50			
		1	6.00			0.90		5.40			
	2nd Main Road Balaji Layout W/S										
	From 1st Cross to 2nd Cross	1	15.00			0.90		13.50			
		1	10.50			0.90		9.45			
	5th Cross to MS Palya Govt Hospital Road										
		1	15.00			0.90		13.50			
		1	13.20			0.90		11.88			
	2nd Main Road 2nd Cross Balaji Layout S/S					0.90		0.00			
	From 2nd Main Road	1	10.00			0.90		9.00			
	2nd Main Road 3rd Cross Balaji Layout S/S										
	From 2nd Main Road	1	10.00			0.90		9.00			
	2nd Main Road 5th Cross Balaji Layout S/S										
	From 2nd Main Road	1	12.00			0.90		10.80			
	2nd Main Road Balaji Layout E/S										
	From 1st Cross to MS Palya Govt Hospital Road	1	9.80			0.90		8.82			
		1	15.00			0.90		13.50			
		1	9.30			0.90		8.37			
		1	3.70			0.90		3.33			
	Singapura Layout 1st Main Road N/S										
	From Singaura 1st Cross to Dead End	1	6.20			0.90		5.58			
		1	8.90			0.90		8.01			
		1	10.00			0.90		9.00			
		1	8.60			0.90		7.74			
		1	15.00			0.90		13.50			
		1	15.00			0.90		13.50			
		1	3.40			0.90		3.06			
		1	9.10			0.90		8.19			
		1	9.40			0.90		8.46			

334.98

Assistant Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore-97

Sl No	Description	No.	L	B1	B2	Av.B	D	Qty	Rate	Amount
		1	9.80			0.90		8.82		
		1	3.00			0.90		2.70		
		1	1.80			0.90		1.62		
		1	9.00			0.90		8.10		
		1	8.20			0.90		7.38		
	Singapura Layout 1st Main Road S/S									
	From Dead End to Singaura 1st Cross	1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	6.00			0.90		5.40		
		1	11.20			0.90		10.08		
		1	12.50			0.90		11.25		
		1	15.00			0.90		13.50		
		1	7.20			0.90		6.48		
		1	12.90			0.90		11.61		
		1	12.40			0.90		11.16		
		1	15.00			0.75		11.25		
		1	9.70			0.90		8.73		
		1	5.80			0.90		5.22		
		1	9.00			0.90		8.10		
	Singapura Layout 2nd Main Road N/S									
	Singapura Main Road to Dead End	1	6.30			0.90		5.67		
		1	6.40			0.90		5.76		
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	4.10			0.90		3.69		
		1	15.00			0.90		13.50		
		1	11.00			0.90		9.90		
		1	15.00			0.90		13.50		
		1	11.00			0.90		9.90		
		1	15.00			0.90		13.50		
		1	4.40			0.90		3.96		
		1	15.00			0.90		13.50		
		1	9.00			0.90		8.10		
		1	15.00			0.90		13.50		
		1	5.70			0.90		5.13		
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	4.00			0.90		3.60		
	Singapura Layout 2nd Main Road S/S									
	From Dead end to Singapura Main Road	1	6.10			0.90		5.49		
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	3.80			0.90		3.42		
		1	1.20			0.90		1.08		
		1	13.00			0.90		11.70		
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	6.20			0.90		5.58		
		1	15.00			0.90		13.50		
		1	8.00			0.90		7.20		
		1	8.60			0.90		7.74		
		1	4.00			0.90		3.60		
		1	10.00			0.90		9.00		

Sl No	Description	No.	L	B1	B2	Av.B	D	Qty	Rate	Amount
		1	1.50			0.90		1.35	810.90	
	Cross Road E/S									
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
	Singapura Layout 4th Main Road N/S									
	Singapura Main Road to Dead End	1	15.00			0.75		11.25		
		1	10.00			0.90		9.00		
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	4.00			0.90		3.60		
		1	15.00			0.90		13.50		
		1	4.00			0.90		3.60		
	Singapura Layout 4th Main Road S/S									
	Dead End to Singapura Main Road	1	10.00			0.90		9.00		
		1	15.00			0.90		13.50		
		1	3.30			0.90		2.97		
		1	5.40			0.90		4.86		
		1	5.50			0.90		4.95		
		1	15.00			0.90		13.50		
		1	11.00			0.90		9.90		
		1	12.20			0.90		10.98		
	6th Main Road Singapura Layout E/S									
	From Singapura Main Road to 1st Cross Road	1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	0.60			0.90		0.54		
		1	4.20			0.90		3.78		
	From 1st Cross Road to 2nd Cross	1	15.00			0.90		13.50		
		1	5.20			0.90		4.68		
	From 2nd Cross to 3rd Cross	1	15.00			0.90		13.50		
		1	10.40			0.90		9.36		
	6th Main Road Singapura Layout W/S									
	3rd Cross to Singapura Main Road	1	12.40			0.90		11.16		
		1	8.60			0.90		7.74		
		1	3.00			0.90		2.70		
		1	11.10			0.90		9.99		
		1	15.00			0.90		13.50		
		1	2.60			0.90		2.34		
	2nd Cross Singapura Layout N/S									
		1	10.10			0.90		9.09		
		1	9.10			0.90		8.19		
		1	8.70			0.90		7.83		
	2nd Cross Singapura Layout S/S									
		1	15.00			0.90		13.50		
		1	3.00			0.90		2.70		
	3rd Cross Singapura Layout N/S									
		1	15.00			0.90		13.50		
		1	5.70			0.90		5.13		
		1	2.30			0.90		2.07		
		1	15.00			0.90		13.50		
		1	2.50			0.90		2.25		
		1	9.40			0.90		8.46		
	3rd Cross Singapura Layout S/S									
		1	5.00			0.90		4.50		
		1	8.00			0.90		7.20		
		1	10.20			0.90		9.18	1212.75	

CAFC. 30/06 AE (Bridge Div.)

Assistant Engineer Vidyaranyapura Division BBMP, Bangalore-97

Sl No	Description	No.	L	B1	B2	Av.B	D	Qty	Rate	Amount
	Main Road Singapura Layout E/S									
	From Main Road to 3rd Cross	1	15.00			0.90		13.50		
		1	4.20			0.90		3.78		
		1	8.00			0.90		7.20		
		1	4.30			0.90		3.87		
		1	11.10			0.90		9.99		
		1	15.00			0.90		13.50		
		1	1.80			0.90		1.62		
	From 3rd Cross to Main Road W/S									
		1	15.00			0.90		13.50		
		1	1.60			0.90		1.44		
		1	1.20			0.90		1.08		
		1	7.00			0.90		6.30		
		1	15.00			0.90		13.50		
		1	2.40			0.90		2.16		
	1st Cross Road N/S									
		1	10.00			0.90		9.00		
	2nd Cross Road N/S									
		1	15.00			0.75		11.25		
		1	3.30			0.75		2.48		
		1	11.50			0.75		8.63		
	2nd Cross Road S/S									
		1	12.10			0.75		9.08		
		1	13.10			0.90		11.79		
	3rd Cross Road N/S									
		1	15.00			0.75		11.25		
		1	15.00			0.75		11.25		
		1	6.40			0.75		4.80		
	3rd Cross Road S/S									
		1	15.00			0.90		13.50		
	Manjunath Layout N/S									
	From Singapura Main Road	1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	8.10			0.90		7.29		
		1	13.40			0.90		12.06		
		1	13.00			0.90		11.70		
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	6.50			0.90		5.85		
		1	14.20			0.90		12.78		
	Manjunath Layout S/S									
	From 5th Cross	1	15.00			0.90		13.50		
		1	12.40			0.90		11.16		
		1	15.00			0.90		13.50		
		1	10.20			0.90		9.18		
		1	3.70			0.90		3.33		
		1	15.00			0.90		13.50		
		1	2.40			0.90		2.16		
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	12.10			0.90		10.89		
	Kuvempunagara 4th Cross N/S									
	From Singapura Main Road	1	10.00			0.90		9.00		
		1	6.00			0.90		5.40		

Sl No	Description	No.	L	B1	B2	Av.B	D	Qty	Rate	Amount
		1	7.00			0.90		6.30	1633.01	
		1	15.00			0.90		13.50		
		1	15.00			0.90		13.50		
		1	6.10			0.90		5.49		
		1	4.40			0.90		3.96		
		1	2.50			0.90		2.25		
		1	1.20			0.90		1.08		
		1	8.00			0.90		7.20		
		1	15.00			0.90		13.50		
		1	3.40			0.90		3.06		
		1	15.00			0.90		13.50		
		1	8.00			0.90		7.20		
		1	3.00			0.90		2.70		
	Kuvempunagara 4th Cross S/S	1	8.40			0.90		7.56		
								1733.81		
								1716.30	2400.10	**4119292.00**

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidayranyapura Sub Division

Vidyaranyapura Sub Division, BMP, Bangalore-97

2nd Main 4th Cross Road

1	15.00	3.10	2.70	2.90	0.04	1.74
1	15.00	2.70	2.50	2.60	0.04	1.56

Sl No		No.	L	B1	B2	Av.B	D	Qty	Rate	Amount
	Measurements Rec									
						04-02-2021				
8	Scarifying bitumin… …m to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications.								Sqm	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 27 is =							**960.75**	97.98	**94134.00**
9	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.								Cum	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 28 & 29 is =							**226.84**	2055.31	**466227.00**
10	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.								Sqm	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 30 & 31 is =							**960.75**	37.01	**35557.00**
11	Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH /Chapter 5 - using **40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.3 % VG-30**								Cum	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 32 & 33 is =							**43.04**	6339.03	**272832.00**
12	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.								Sqm	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 34 & 35 is =							**2745.00**	5.44	**14933.00**
	Measurements Recarded on :									
13	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.								Sqm	
	Qty Vide Item No. 12							2745.00		
								2745.00	15.24	**41834.00**
14	Providing and laying **bituminous concrete 40 mm thick** with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - **using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen**								Cum	
	2nd Main 4th Cross Balaji Layout									
	from 2nd Main	1	15.00	4.50	4.10	4.30	0.04	2.58		
		1	15.00	4.10	4.40	4.25	0.04	2.55		
		1	15.00	4.40	3.50	3.95	0.04	2.37		
		1	15.00	3.50	3.20	3.35	0.04	2.01		
		1	15.00	3.20	3.60	3.40	0.04	2.04		
		1	15.00	3.60	3.80	3.70	0.04	2.22		
		1	15.00	3.80	3.40	3.60	0.04	2.16		
		1	15.00	3.40	3.10	3.25	0.04	1.95		
		1	15.00	3.10	2.70	2.90	0.04	1.74		
		1	15.00	2.70	2.50	2.60	0.04	1.56		

CSFC 30/04 S.E. (BTP. DIV)

31.18

Sl No	Description	No.	L	B1	B2	Av.B	D	Qty	Rate	Amount
		1	5.00	2.50	3.00	2.75	0.04	0.55		
	Kuvempunagara 1st Stage 4th Cross									
	From Singapura Main Road	1	15.00	5.30	4.70	5.00	0.04	3.00		
		1	15.00	4.70	4.60	4.65	0.04	2.79		
		1	15.00	4.60	3.90	4.25	0.04	2.55		
		1	15.00	3.90	3.80	3.85	0.04	2.31		
		1	15.00	3.80	4.30	4.05	0.04	2.43		
		1	15.00	4.30	3.70	4.00	0.04	2.40		
		1	15.00	3.70	4.20	3.95	0.04	2.37		
		1	15.00	4.20	3.80	4.00	0.04	2.40		
		1	15.00	3.80	3.10	3.45	0.04	2.07		
		1	15.00	3.10	3.20	3.15	0.04	1.89		
		1	15.00	3.20	3.30	3.25	0.04	1.95		
		1	15.00	3.30	3.80	3.55	0.04	2.13		
		1	4.20	3.80	4.00	3.90	0.04	0.66		
	3rd Main Road	1	15.00	5.00	5.40	5.20	0.04	3.12		
		1	16.30	5.40	5.40	5.40	0.04	3.52		
	Kuvempunagara 1st Stage 5th Cross									
	From Singapura Main Road 4th Main	1	15.00	5.30	4.90	5.10	0.04	3.06		
		1	15.00	4.90	3.40	4.15	0.04	2.49		
		1	15.00	3.40	5.00	4.20	0.04	2.52		
		1	15.00	5.00	5.00	5.00	0.04	3.00		
		1	6.70	5.00	5.30	5.15	0.04	1.38		
	From 4th Main to 3rd Main									
		1	15.00	4.50	4.70	4.60	0.04	2.76		
		1	15.00	4.70	4.20	4.45	0.04	2.67		
		1	15.00	4.20	4.80	4.50	0.04	2.70		
		1	15.00	4.80	6.10	5.45	0.04	3.27		
		1	15.00	6.10	6.30	6.20	0.04	3.72		
	From 3rd Main to 2nd Main									
		1	15.00	6.40	5.50	5.95	0.04	3.57		
		1	15.00	5.50	5.60	5.55	0.04	3.33		
		1	15.00	5.60	5.40	5.50	0.04	3.30		
		1	15.00	5.40	4.70	5.05	0.04	3.03		
		1	14.10	4.70	4.90	4.80	0.04	2.71		
	Deduction of Manholes	8	3.14			1.00	0.04	-1.01		
		1	4.00			2.10	0.04	-0.34		
								99.48		
								99.44	9222.70	**917105.00**
	Sub Total									**9996844.00**
	GST @ 12%									**1199621.00**
									Total	**11196465.00**

21.18

CAFE 30/06 A.E. (STR. DIV.)

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore-97

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore-97